

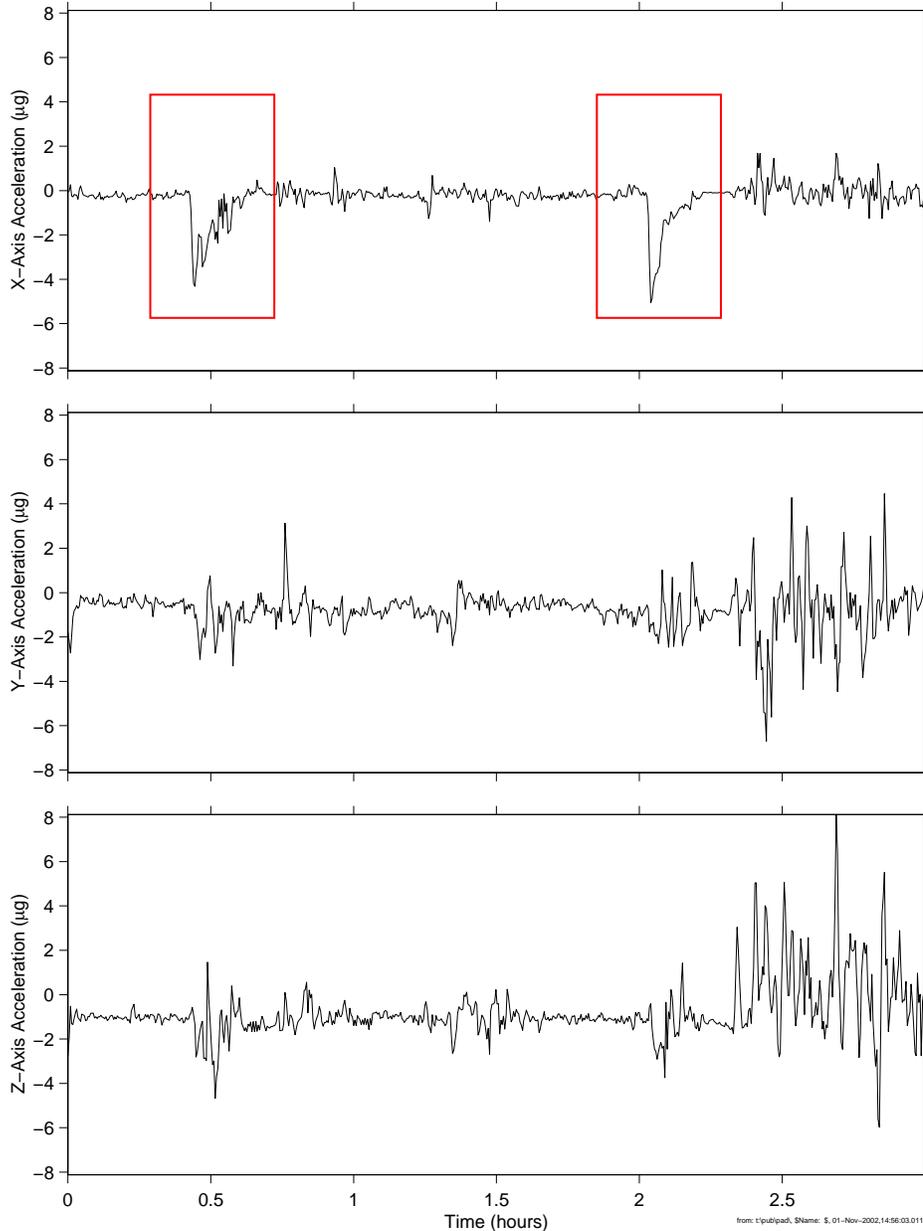
# DC-1 Cabin Depressurization

mams, ossbtrmf at LAB1O2, ER1, Lockers 3,4:[135.28 -10.68 132.12]  
0.0625 sa/sec (0.01 Hz)

Increment: 5, Flight: UF2  
SSAnalysis[ 0.0 0.0 0.0]

Dual De-pressurizations for Russian EVA 7

Start GMT 16-August-2002, 228/07:00:11.651



## Description

Sensor	MAMS,ossbtrmf 0.0625 sa/sec (0.01 Hz)
Location	LAB1O2, ER1, Lockers 3,4
Orientation	Space Station Analysis (SSA)
Inc/Flight	Increment: 5, Flight: UF2
Plot Type	Time Series

## NOTES:

- Prior to Russian EVA-7, the Docking Compartment (DC-1) was depressurized. Due to misconfiguration in Orlan spacesuits, the cabin had to be depressurized twice. (outlined in red boxes)
- Vent type is momentless T-type nozzle.
- Vent position [-893.9 19.5 305.4] (inches, Space Station Analysis coordinates)
- Vent (RSAS10) Orientation: [-0.39 0.92 0] and [0.39 -0.92 0]. (Space Station Analysis coordinates)
- The peak values during the venting operations are tabulated below.

Axis	Maximum Δ from Baseline(μg)
X	-5.05
Y	-2.42
Z	-3.77



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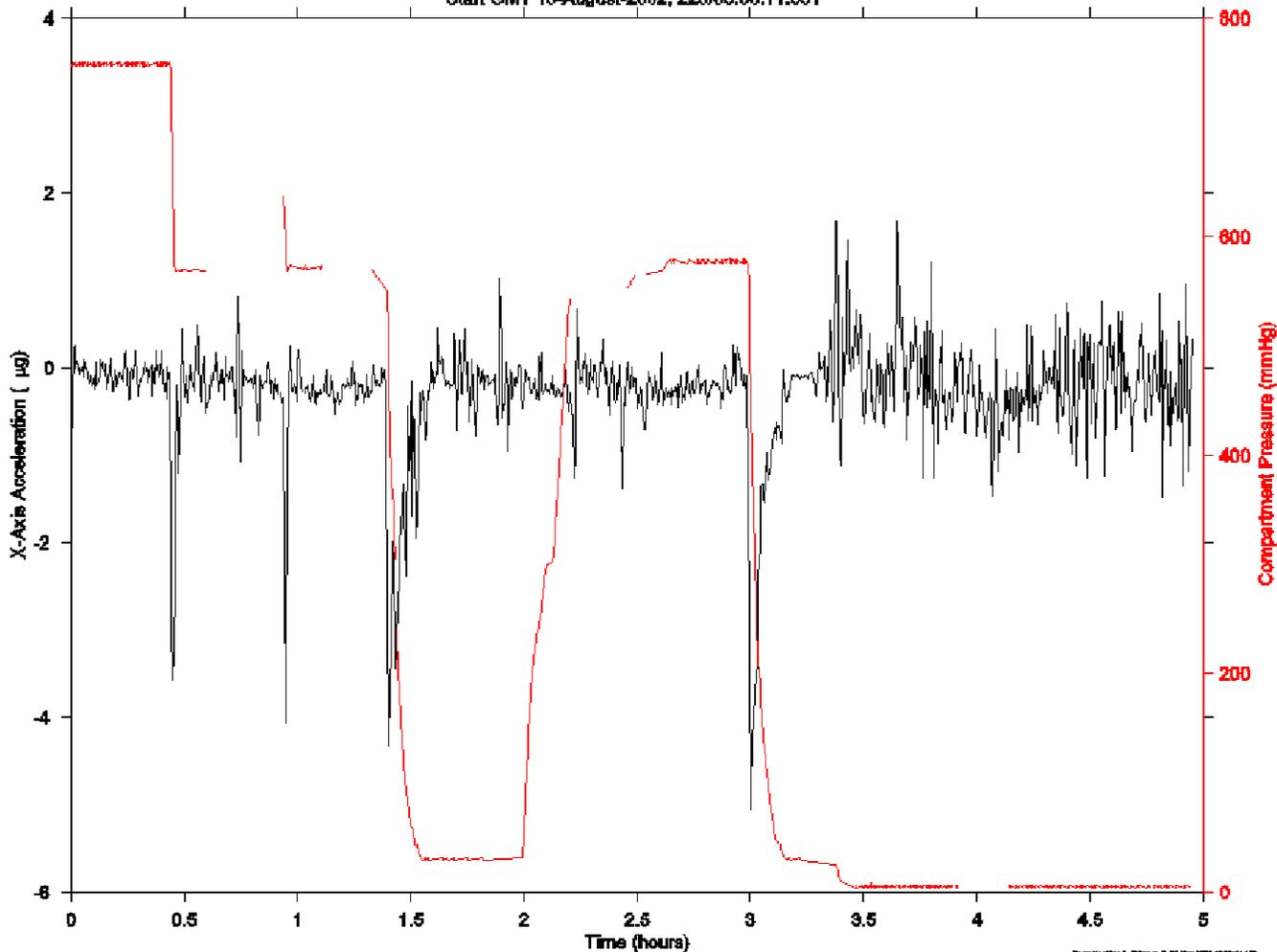
Regime:	Quasi-steady
Category:	Vehicle
Source:	DC-1 Vent

# DC-1 Cabin Depressurization

mams, ossbtmf at LAB1O2, ER1, Lockers 3,4 [136.26 -10.86 132.12]  
0.0625 sa/sec (0.01 Hz)

Increment 5, Flight UF2  
SSAnalysis[ 0.0 0.0 0.0]

X-axis Accelerations and DC-1 Pressure  
Start GMT 16-August-2002, 228/06:00:11.851



Description	
Sensor	MAMS,ossbtmf 0.0625 sa/sec (0.01 Hz)
Location	LAB1O2, ER1, Lockers 3,4
Orientation	Space Station Analysis (SSA)
Inc/Flight	Increment: 5, Flight: UF2
Plot Type	Time Series, X-axis

### NOTES:

- Red overlay is DC-1 cabin pressure during EVA preparations.
- Initial depressurization was from 760 mmHg to 550 mmHg (at the 0.4 hour mark)
- The first of the two large depressurizations was from 550 mmHg to 30 mmHg. Subsequent partial repressurization was to 550 mmHg. Second depressurization was complete, down to 10 mmHg.



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Regime:	Quasi-steady
Category:	Vehicle
Source:	DC-1 Vent